

List of Current Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claims 1 - 10 (Cancelled).

11. (New) A Measurement pickup of vibration-type, especially for producing mass-flow-dependent, Coriolis forces and/or for producing viscosity-dependent frictional forces in flowing fluids, comprising:

at least one measuring tube for the conveying of a fluid, said measuring tube having an inlet end and an outlet end and vibrating at least at times, said measuring tube communicates, via a first tube segment opening into inlet end and via a second tube segment opening into said outlet end, with a pipeline connected therewith, said measuring tube executes, during operation, mechanical oscillations about an imaginary oscillation axis connecting said two pipe segments;

a support element for oscillatable holding of said measuring tube, said support element having a first end piece containing a passageway for the securement of said first tube segment and a second end piece containing a passageway for the securement of said second tube segment wherein:

each of said two tube segments extends through its respective one of the two passageways and each of the two passageways has an inner diameter, which is greater than an outer diameter of its associated tube segment, so that an intermediate space is formed between each of the associated tube segments and end pieces,

at least one of said two tube segments carries at least one, preferably metal, first spring element, and

said spring element is arranged in the intermediate space in such a manner that it contacts, at least sectionally, both its associated tube segment and also its associated end piece in such a manner that it is subjected, at least sectionally, to radially acting, deformation forces and, as a result of elastic deformations accompanying such, is held pressed against the associated tube segment and the associated end piece.

12. (New) The measurement pickup as claimed in claim 11, wherein:
said first spring element is embodied as a spring packet, which is composed of two or more leaf springs extending essentially radially with respect to the oscillation axis, and which so fills the intermediate space formed between tube segment and end piece, at least in part, that said leaf springs contact both the associated tube segment and the associated end piece.

13. (New) The measurement pickup as claimed in claim 12, wherein:
said leaf springs are embodied essentially in the shape of annular washers.

14. (New) The measurement pickup as claimed in claim 12, wherein:
said leaf springs have an essentially star-shaped and/or meandering structure.

15. (New) The measurement pickup as claimed in claim 12, wherein:
said leaf-springs are provided with essentially radial slots.

16. (New) The measurement pickup as claimed in claim 12, wherein:
said leaf springs lie one after the other in the direction of the oscillation axis.

17. (New) The measurement pickup as claimed in claim 11, further comprising:
a layer of vibration-damping plastic provided between said at least two leaf springs.

18. (New) The measurement pickup as claimed in claim 11, wherein:
said first spring element is embodied as a Spieth-sleeve or as an annular-spring, locking element.

19. (New) The measurement pickup as claimed in claim 11, comprising:
further a clamping apparatus, which is connected, preferably releasably, with the at least one end piece, is provided for said first spring element, which introduces into said first spring element deformation forces acting essentially in the direction of the oscillation axis.

20. (New) The measurement pickup as claimed in claim 11, comprising:
a second spring element pushed onto said at least one tube segment; and
a spacing ring arranged between said two spring elements.